

APCO CRF 100, 100SA & 100SR RUBBER FLAPPER SWING CHECK VALVES

Design & Construction

APCO CRF 100, 100SA and 100SR Rubber Flapper Swing Check Valves are uniquely simple in design but durable for use on a variety of applications. Available in sizes 2-48" (50-1200mm), they are available in Ductile Iron, Cast Iron or Bronze bodies with ASME 125/150 flanges and maximum pressure ratings up to 175 psi (1210 kPa). For additional abrasion resistance, full-flow area bodies can be lined with elastomers.



Since the APCO CRF Rubber Flapper Check Valve was introduced in 1965, it has been operating successfully in thousands of installations. The unique features of the Rubber Flapper Check Valve makes it ideally suited for applications such as raw sewage, water systems, industrial wastes, chemical lines, erosive services, ash service, acid lines, tailings systems, light slurries, corrosive services, leaching lines, scrubbers, and brine & salt water systems.

Unique 45° Angle Provides Non-Slam Properties

APCO CRF Rubber Flapper Swing Check Valves feature a unique, simple design with one moving part. The flapper does not swing from a hinge pin; it simply flexes open. The valve body seat is on an angle of 45° to the centerline of the pipe, permitting horizontal or vertical flow up installation. The unique 45° angle on the body seat gives the valve non-slamming properties. The flapper travels 35° from open to close, usually before column reversal can occur.

Full Flow Area

With the flapper fully open, there is a straight unobstructed flow passage, so all foreign matter is flushed away by the flowing medium. This eliminates clogging associated with other valve styles. Due to this unobstructed flow passage, the pressure drop is considerably lower through the APCO Rubber Flapper Check than through conventional swing check valves.



Precision Molded, Steel Reinforced Rubber Flapper Provides Bubble Tight Seating

The Acrylonitrile-Butadiene (NBR) flapper provides excellent abrasion-resistant qualities. The flapper can also be compression molded with Chloroprene (CR), Terpolymer of Ethylene Propylene & A Diene (EPDM), Fluoro Rubber (FKM) or other synthetic rubbers on application. A steel disc for strength and a steel bar are molded inside the flapper.



Cycle Tested Flapper Prevents Jamming or Sticking

A high strength fabric is integrally molded over the disc and bar to form a flexible joint. When the valve is assembled, the flapper is firmly clamped between body and cover. This feature eliminates problems of moving parts, shafts, pins, bearings, bushings or packing (as required in conventional check valves). The flapper design prevents jamming or sticking in the open position.

Rubber Flapper Provides Bubble-Tight Sealing

The o-ring seal molded into the disc face assures positive sealing, even at lower pressures.

No Regular Maintenance Required

With only three major parts: Body, Flapper and Cover, the CRF Rubber Flapper Check Valve requires relatively no maintenance. If maintenance should be required, the flapper can be replaced in a matter of minutes.

4.3" Size Designed Specifically for Raw Sewage

The 4.3" size Rubber Flapper Swing Check Valve is specifically designed for raw sewage with a flow area through the seat almost twice (23.76", 604mm) that of standard pipe (12.73", 323mm) permitting the valve to pass a 3" (76mm) diameter solid as required by many states and municipalities for 4" (100mm) check valves used on sewage lift stations.

Choice of Body Materials

Unlined bodies are normally made of Ductile Iron for 2-24" (50-600mm) sizes and Cast Iron for 30-48" (750-1200) sizes. Bronze body valves are available in sizes 2-10" (50-250mm) and Navy Bronze are available in 2-4.3" (50-100mm) sizes. Ductile Iron and Cast Iron valves can be lined with elastomers for additional abrasion resistance.

Buried Service Valves

When used in buried service applications, the CFR Rubber Flapper Swing Check Valve can be ordered with 316 stainless steel cover bolts for corrosion resistance.

Rubber Lined Bodies For Extra Abrasion Resistance

The CRF Rubber Flapper Swing Check Valve is specially designed for rubber lining. The valve contains no

sharp corners or crevices, and the smooth body and cover contours readily accept the ¹/₈" rubber lining or coating. The result after lining is a totally encapsulated valve without any exposed metal surfaces. Bodies can be lined with Chloroprene (CR), Natural Rubber (NR), Terpolymer of Ethylene Propylene & A Diene (EPDM) or Acrylonitrile-Butadiene (NBR).



Spring Return Rubber Flapper Swing Check Valve (100SR)

In difficult high head applications where rapid flow reversal can occur, standard swing check valves will often slam. The CRF-100SR Spring Return model was designed to eliminate or minimize slam in these applications, even in tough vertical flow-up installations.

The externally adjustable spring return accelerates flapper closure before flow reversal can occur. The stainless steel helical compression spring can be externally adjusted without removing the cover from the valve or removing the valve



from service. Adjustments are made by an external sealed screw which provides infinite adjustment to the internal spring compression.

The graph below compares closing characteristics of the rubber flapper swing check valve with and without the spring return closure. The installation is "flow up" and the power failure simulation for the tests was identical. The pressure rise (black line) with the spring return closure was only 33 psi (228 kPa). This represents a 85 psi (586 kPa) reduction in the pressure surge. Also, subsequent wave patterns were more subdued and rounded. On-site closure noise (valve slam) and pipe displacement disappeared with the 100SR Spring Return.

Spring Assist Rubber Flapper Swing Check Valve (100SA)

The CRF Rubber Flapper Check Valve with Spring Assist Closure includes a Stainless Steel double torsion spring mounted to the flapper that accelerates valve closure before reverse flow can occur, minimizing potential valve slam. The double torsion spring is rigidly secured to the flapper.





Options & Accessories Disc Position Indicator (PI)

The Disc Position Indicator is mounted to the cover and clearly identifies the position of the flapper upon visual inspection. The Disc Position Indicator is available on body styles 100 and 100SA.



Proximity Switches & Limit Switches Available

An inductive type proximity switch can be mounted on the valve body with its target mounted internally on the flapper. The switch transmits an electrical



signal indicating when the flapper is fully closed. Mechanical Limit switches are also available.

Hold Open Device For Backflushing

The Hold Open Device, available on 3-30" (80-750mm) valve sizes, can be ordered on the valve to make back-flushing the system, priming pumps or draining the system safe and convenient. The APCO Backflow Device meets OSHA's easily activated requirements without risk of injury to operating personnel during a backflow procedure. This Hold

Open Device is positive and will not slip during full backflow. The Backflow Device can be operated without removing the check valve or taking the pump out of service. Hold



Open Devices on size 3" and 4" (80 and 100mm) are constructed of Bronze ASTM B-584 as approved by U.S. Navy for fleet service.

Bottom Mounted Buffer

Bottom Mounted Buffers have been used successfully for decades to reduce slamming of the valve disc and resultant water hammer. The bottom hydraulic buffer permits free opening, but positive non-slam closure of the rubber flapper. The hydraulic buffer rod contacts the rubber flapper during the final 10% of closure to control closing speed until shut-off. The final closure can be adjusted with the two color-coded flow control valves which have locking set screws to secure the final setting. The oil hydraulic buffer controls disc closure speed to suit flow conditions and reduces slam, water hammer and pressure surges.



Materials of Construction



Item	Description	Material		
		Cast Iron, ASTM A126, Grade B		
A 1	Padu	Bronze, ASTM 584		
	Воду	Ductile Iron, ASTM A536, Grade 65-45-12		
		Bronze Navy "M" ASTM B584 C92200		
A2	Cover	Same as body material		
A3	Gasket*	Non-asbestos with butadiene rubber binder		
	Cover Bolt	316 Stainless Steel, or Steel A449, Grade 5		
A4		Brass ASTM B16 C36000 (On Bronze Body)		
A.E.	Cover Bolt	316 Stainless Steel, or Steel A449, Grade 5		
A5		Brass ASTM B16 C36000 (On Bronze Body)		
A6	Body Pipe Plug	Iron, Malleable, ASTM A48, Class 40		
		Reinforced NBR, Acrylonitrile-Butadiene, Carbon Steel ASTM A36		
A10	Rubber Flapper	Reinforced CR, Chloroprene, Carbon Steel ASTM A36		
		Reinforced EPDM, Terpolymer of Ethylene Propylene & A Diene, Carbon Steel		
		Reinforced FKM, Fluoro Rubber, Carbon Steel ASTM A36		

*Cover gasket is not used on lined valves

Valve Selection

Pressure Ratings

Body Style	Maximum Differential Cold Working Pressure			
100, 100SA & 100SR	175 psi (1210 kPa)			

Note: Specify operating pressure when ordering

Temperature Ratings

Material	Temperature Range*			
NBR, Acrylonitrile-Butadiene	-70 to 250° F (-57 to 121° C)			
CR, Chloroprene	-40 to 250° F (-40 to 121° C)			
EPDM, Terpolymer of Ethylene Propylene & A Diene	-20 to 300° F (-29 to 150° C)			
FKM, Fluoro Rubber	-40 to 425° F (-40 to 218° C)			
NR, Natural Rubber	-40 to 180° F (-40 to 82° C)			

*Maximum operating temperature is a function of the materials used in the valve. All valves are rated to a maximum temperature of at least 180° F (82° C). Contact application engineering if the valve is required to operate above 180° F (82° C).

Applicable Standards

APCO CRF Rubber Flapper Swing Check Valves are designed and/or tested to meet the following standards:				
MIL V 18436 F Conforms to material requirements of Group A, Type III, Trim 1, Bronze Swing Check Valves				
ASME B16.1	Cast iron pipe flanges and flanged fittings. Conforms to related flange drilling dimensions.			
AWWA C508	Valves tested as a complete assembly per AWWA C508			

Valve Weights

Valve Size	Ductile Iron Body		
<u>2"</u>	<u>19</u>		
50mm	8		
<u>2.5"</u>	<u>20</u>		
65mm	9		
<u>3"</u>	<u>21</u>		
80mm	10		
<u>4"</u> 100mm	<u>38</u> 17		
10011111	70		
110mm	<u>70</u> 32		
<u>5"</u>	<u>74</u>		
125mm	34		
<u>6"</u>	<u>100</u>		
150mm	45		
<u>8"</u>	<u>185</u>		
200mm	84		
<u>10"</u>	<u>335</u>		
250mm	152		
<u>12"</u>	475		
300mm	215		
<u>14"</u>	<u>640</u>		
350mm	290		
<u>16"</u>	<u>950</u>		
400mm	431		
<u>18"</u> 450mm	1250		
450mm	507		
<u>20"</u> 500mm	1050		
24"	703		
<u>24</u> 600mm	<u>2000</u> 907		
30-48"	Contact		
750-1200mm	DeZURIK		

<u>Pounds</u> Kilograms

Valve Selection



0.6

0.5

0.4

0.3

0.2

0.1

0

Pressure Loss, psi

Ordering

To order, simply complete the valve order code from information shown. An ordering example is shown for your reference.

Valve Style

Give valve style code as follows:

CRF = Rubber Flapper Swing Check Valves

Valv Give	e S va	ize Ive s	ize code	as follows:			
2	=	2"	(50mm)	14	=	14"	(350mm)
2.5	=	2.5"	(65mm)	16	=	16"	(400mm)
3	=	3"	(80mm)	18	=	18"	(450mm)
4	=	4"	(100mm)	20	=	20"	(500mm)
4.3	=	4"	(100mm)	24	=	24"	(600mm)
5	=	5"	(125mm)	30	=	30"	(750mm)
6	=	6"	(150mm)	36	=	36"	(900mm)
8	=	8"	(200mm)	42	=	42"	(1100mm)
10	=	10"	(250mm)	48	=	48"	(1200mm)
12	=	12"	(300mm)				

Body Style

Give body style code as follows:

100 =	Rubber Flapper (2-48")
100SA =	Rubber Flapper with Spring Assist (4.3-30")
10000	

100SR =	Rubber Flapper with Spring Return (3-30"

End Connection

Give end connection code as follows:

Flanged ASME 125/150 F1

Body Material Give body material code as follows:

Unlined - Body 100, 100SA or 100SR

- BRZ Bronze (2-10") =
- CI Cast Iron (standard for 30-48")
- DI Ductile Iron (standard for 2-24") = NBRZ = Navy Bronze (2-4.3"). For Navy Valve requirements, contact the factory (Body style 100)

Lined - Body Styles 100, 100SA & 100SR (2-24")

- DICR Ductile Iron, Chloroprene (CR) Lined DINR = Ductile Iron, Natural Rubber (NR) Lined
- DIEP =
- Ductile Iron, Terpolymer of Ethylene Propylene & A Diene (EPDM) Lined DINB = Ductile Iron, Acrylonitrile Butadiene (NBR) Lined

Lined - Body Styles 100, 100SA & 100SR (30-48") CICR = Cast Iron, Chloroprene (CR) Lined

- CINR =
- Cast Iron, Natural Rubber (NR) Lined Cast Iron, Terpolymer of Ethylene Propylene & CIEP
- A Diene (EPDM) Lined
- CINB Cast Iron, Acrylonitrile Butadiene (NBR) Lined

Flapper Material Give flapper material code as follows:

Give	napper	material	coue as	ionows:	

- Acrylonitrile-Butadiene, -70 to 250° F (-57 to 121° C) Chloroprene, -40 to 250° F (-40 to 121° C) NBR CR
- EPDM Terpolymer of Ethylene Propylene & A Diene = -20 to 300° F (-29 to 150° C)
- FKM Fluoro Rubber, -40 to 425° F (-40 to 218° C) Body Styles 100, 100SA or 100SR, Unlined bodies only

Options Give options code as follows:

DTR	=	DeZURIK Standard Certified Production Hydrostation
		Shell & Seat Test Report
PI	=	Disc Position Indicator (4.3-30")

SB16 = 316 Stainless Steel Bolting

Accessories

Give	acc	essory code as follows:
BMB	=	Bottom Mounted Buffer (4.3-48")

- Hold Open Device (Back flush) (3-30") HOD
- SEL20 = Limit Switch with Disc Position Indicator AB 802T-ATP (4.3-30") Body styles 100 or 100SA
- SEL30 = (1) Proximity Switch - SPDT GO 73-13526-B2. Body Styles
- 100 (2-12"), 100SA (10-12"), 100SR (8-12") (1) Proximity Switch - SPST - Balluff BES 516-432-E4-L-02. SEL31 = Body styles 100 (14-48"), 100SA or 100SR (14-30")

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Ordering Example

CRF,10,100SA,F1,DICR,CR,SB16*BMB

Dimensions Body Style 100





Valve Size	Α	В	С	D	No. of Flange Bolts	Bolt Hole Size	E
<u>2"</u>	<u>8.00</u>	<u>6.00</u>	<u>4.75</u>	<u>0.63</u>	4	<u>0.75</u>	<u>5.26</u>
50mm	203	152	121	16		19	134
<u>2.5"</u>	<u>8.50</u>	<u>7.00</u>	<u>5.50</u>	<u>0.69</u>	4	<u>0.75</u>	<u>4.88</u>
65mm	216	178	140	18		19	124
<u>3"</u>	<u>9.50</u>	<u>7.50</u>	<u>6.00</u>	<u>0.75</u>	4	<u>0.75</u>	<u>7.00</u>
80mm	241	191	152	19		19	178
<u>4"</u>	<u>11.50</u>	<u>9.00</u>	<u>7.50</u>	<u>0.94</u>	8	<u>0.75</u>	<u>7.38</u>
100mm	292	229	191	24		19	187
<u>4.3"</u>	<u>13.75</u>	<u>9.00</u>	<u>7.50</u>	<u>0.94</u>	8	<u>0.75</u>	<u>10.25</u>
100mm	349	229	191	24		19	260
<u>5"</u>	<u>13.75</u>	<u>10.00</u>	<u>8.50</u>	<u>0.94</u>	8	<u>0.88</u>	<u>10.25</u>
125mm	349	254	216	24		22	260
<u>6"</u>	<u>15.00</u>	<u>11.00</u>	<u>9.50</u>	<u>1.00</u>	8	<u>0.88</u>	<u>10.25</u>
150mm	381	279	241	25		22	260
<u>8"</u>	<u>19.50</u>	<u>13.50</u>	<u>11.75</u>	<u>1.13</u>	8	<u>0.88</u>	<u>15.25</u>
200mm	495	343	298	29		22	387
<u>10"</u>	<u>24.50</u>	<u>16.00</u>	<u>14.25</u>	<u>1.19</u>	12	<u>1.00</u>	<u>19.26</u>
250mm	622	406	362	30		25	489
<u>12"</u>	<u>27.50</u>	<u>19.00</u>	<u>17.00</u>	<u>1.25</u>	12	<u>1.00</u>	<u>19.26</u>
300mm	699	483	432	32		25	489
<u>14"</u>	<u>31.00</u>	<u>21.00</u>	<u>18.75</u>	<u>1.38</u>	12	<u>1.13</u>	<u>23.63</u>
350mm	787	533	476	35		29	600
<u>16"</u>	<u>32.00</u>	<u>23.50</u>	<u>21.25</u>	<u>1.44</u>	16	<u>1.13</u>	<u>24.00</u>
400mm	813	597	540	37		29	610
<u>18"</u>	<u>36.00</u>	<u>25.00</u>	<u>22.75</u>	<u>1.56</u>	16	<u>1.25</u>	<u>27.75</u>
450mm	914	635	578	40		32	705
<u>20"</u>	<u>40.00</u>	<u>27.50</u>	<u>25.00</u>	<u>1.69</u>	20	<u>1.25</u>	<u>27.75</u>
500mm	1016	699	635	43		32	705
<u>24"</u>	<u>48.00</u>	<u>32.00</u>	<u>29.50</u>	<u>1.88</u>	20	<u>1.38</u>	<u>31.50</u>
600mm	1219	813	749	48		35	800
<u>30"</u>	<u>70.50</u>	<u>38.75</u>	<u>36.00</u>	<u>2.13</u>	28	<u>1.38</u>	<u>49.00</u>
750mm	1791	984	914	54		35	1245
<u>36"</u>	<u>75.00</u>	<u>46.00</u>	<u>42.75</u>	2.38	32	<u>1.63</u>	<u>55.00</u>
900mm	1905	1168	1086	60		41	1397
<u>42-48"</u> 1100-1200mm	m Contact Factory						

<u>Inches</u> Millimeters

Dimensions Body Style 100SR, Spring Return





Valve Size	Α	В	С	D	E	No. of Flange Bolts	Bolt Hole Size	F
<u>3"</u>	<u>9.50</u>	<u>7.50</u>	<u>6.00</u>	<u>0.75</u>	<u>8.50</u>	4	<u>0.75</u>	<u>7.00</u>
80mm	241	191	152	19	216		19	178
<u>4"</u>	<u>11.50</u>	<u>9.00</u>	<u>7.50</u>	<u>0.94</u>	<u>8.50</u>	8	<u>0.75</u>	<u>7.38</u>
100mm	292	229	191	24	216		16	187
<u>4.3"</u>	<u>13.75</u>	<u>9.00</u>	<u>7.50</u>	<u>0.94</u>	<u>16.00</u>	8	<u>0.75</u>	<u>10.25</u>
100mm	349	229	191	24	406		19	260
<u>5"</u>	<u>13.75</u>	<u>10.00</u>	<u>8.50</u>	<u>0.94</u>	<u>16.00</u>	8	<u>0.88</u>	<u>10.25</u>
125mm	349	254	216	24	406		22	260
<u>6"</u>	<u>15.00</u>	<u>11.00</u>	<u>9.50</u>	<u>1.00</u>	<u>16.00</u>	8	<u>0.88</u>	<u>10.25</u>
150mm	381	279	241	25	406		22	260
<u>8"</u>	<u>19.50</u>	<u>13.50</u>	<u>11.75</u>	<u>1.13</u>	<u>17.00</u>	8	<u>0.88</u>	<u>15.25</u>
200mm	495	343	298	29	432		22	387
<u>10"</u>	<u>24.50</u>	<u>16.00</u>	<u>14.25</u>	<u>1.19</u>	<u>20.75</u>	12	1	<u>19.26</u>
250mm	622	406	362	30	527		25	489
<u>12"</u>	<u>27.50</u>	<u>19.00</u>	<u>17.00</u>	<u>1.25</u>	<u>20.75</u>	12	1	<u>19.26</u>
300mm	699	483	432	32	527		25	489
<u>14"</u>	<u>31.00</u>	<u>21.00</u>	<u>18.75</u>	<u>1.38</u>	<u>24.75</u>	12	<u>1.13</u>	<u>23.63</u>
350mm	787	533	476	35	629		29	600
<u>16"</u>	<u>32.00</u>	<u>23.50</u>	<u>21.25</u>	<u>1.44</u>	<u>24.75</u>	16	<u>1.13</u>	<u>24.00</u>
400mm	813	597	540	37	629		29	610
<u>18"</u>	<u>36.00</u>	<u>25.00</u>	<u>22.75</u>	<u>1.56</u>	<u>26.25</u>	16	<u>1.13</u>	<u>27.75</u>
450mm	914	635	578	40	667		29	705
<u>20"</u>	<u>40.00</u>	<u>27.50</u>	<u>25.00</u>	<u>1.69</u>	<u>26.25</u>	20	<u>1.13</u>	<u>27.75</u>
500mm	1016	699	635	43	667		29	705
<u>24"</u>	<u>48.00</u>	<u>32.00</u>	<u>29.50</u>	<u>1.88</u>	<u>25.75</u>	20	<u>1.38</u>	<u>31.50</u>
600mm	1219	813	749	48	654		35	800

<u>Inches</u> Millimeters

Dimensions

Body Style 100SA, Spring Assist



<u>Inches</u> Millimeters

Valve Size	Α	В	С	D	No. of Flange Bolts	Bolt Hole Size	E
<u>4.3"</u>	<u>13.75</u>	<u>9.00</u>	<u>7.50</u>	<u>0.94</u>	8	<u>0.75</u>	<u>10.25</u>
100mm	349	229	191	24		19	260
<u>5"</u>	<u>13.75</u>	<u>10.00</u>	<u>8.50</u>	<u>0.94</u>	8	<u>0.88</u>	<u>10.25</u>
125mm	349	254	216	24		22	260
<u>6"</u>	<u>15.00</u>	<u>11.00</u>	<u>9.50</u>	<u>1.00</u>	8	<u>0.88</u>	<u>10.25</u>
150mm	381	279	241	25		22	260
<u>8"</u>	<u>19.50</u>	<u>13.50</u>	<u>11.75</u>	<u>1.13</u>	8	<u>0.88</u>	<u>15.25</u>
200mm	495	343	298	29		22	387
<u>10"</u>	<u>24.50</u>	<u>16.00</u>	<u>14.25</u>	<u>1.19</u>	12	<u>1.00</u>	<u>19.25</u>
250mm	622	406	362	30		25	489
<u>12"</u>	<u>27.50</u>	<u>19.00</u>	<u>17.00</u>	<u>1.25</u>	12	<u>1.00</u>	<u>19.25</u>
300mm	699	483	432	32		25	489
<u>14"</u>	<u>31.00</u>	<u>21.00</u>	<u>18.75</u>	<u>1.38</u>	12	<u>1.13</u>	<u>23.63</u>
350mm	787	533	476	35		29	600
<u>16"</u>	<u>32.00</u>	<u>23.50</u>	<u>21.25</u>	<u>1.44</u>	16	<u>1.13</u>	<u>24.00</u>
400mm	813	597	540	37		29	610
<u>18"</u>	<u>36.00</u>	<u>25.00</u>	<u>22.75</u>	<u>1.56</u>	16	<u>1.25</u>	<u>27.75</u>
450mm	914	635	578	40		32	705
<u>20"</u>	<u>40.00</u>	<u>27.50</u>	<u>25.00</u>	<u>1.69</u>	20	<u>1.25</u>	<u>27.75</u>
500mm	1016	699	635	43		32	705
<u>24"</u>	<u>48.00</u>	<u>32.00</u>	<u>29.50</u>	<u>1.88</u>	20	<u>1.38</u>	<u>31.50</u>
600mm	1219	813	749	48		35	800

Dimensions

Hold Open Device



Valve Size	F	G	н	
<u>3"</u>	<u>1.00</u>	_	<u>8.00</u>	
80mm	25		203	
<u>4"</u>	<u>2.75</u>	_	<u>8.50</u>	
100mm	70		216	
<u>4.3"</u>	-	<u>2.25</u>	<u>12.25</u>	
100mm		57	311	
<u>5"</u>	_	<u>2.50</u>	<u>12.00</u>	
125mm		64	305	
<u>6"</u>	_	<u>1.63</u>	<u>12.50</u>	
150mm		41	318	
<u>8"</u>	_	<u>1.75</u>	<u>15.50</u>	
200mm		44	394	
<u>10"</u>	_	<u>1.75</u>	<u>22.00</u>	
250mm		44	559	
<u>12"</u>	-	<u>2.00</u>	<u>20.50</u>	
300mm		51	521	
<u>14"</u>	<u>0.75</u>	_	<u>22.00</u>	
350mm	19		559	
<u>16"</u>	<u>1.25</u>	—	<u>22.00</u>	
400mm	32		559	
<u>18"</u>	-	<u>2.00</u>	<u>28.00</u>	
450mm		51	711	
<u>20"</u>	_	<u>1.75</u>	<u>28.00</u>	
500mm		44	711	
<u>24"</u>		<u>1.75</u>	<u>30.00</u>	
600mm		44	762	
<u>30"</u>	Contact			
750mm	DeZURIK			

Bottom Mounted Buffer



Valve Size	F	G	н
<u>4.3"</u>	—	<u>3.25</u>	<u>13.25</u>
100mm		83	337
<u>5"</u>	—	<u>3.00</u>	<u>13.25</u>
125mm		76	337
<u>6"</u>	—	<u>2.75</u>	<u>13.25</u>
150mm		70	337
<u>8"</u>	—	<u>1.25</u>	<u>14.00</u>
200mm		32	356
<u>10"</u>	_	<u>1.25</u>	<u>18.00</u>
250mm		32	457
<u>12"</u>	<u>0.75</u>	—	<u>18.00</u>
300mm	19		457
<u>14"</u>	<u>4.00</u>	—	<u>18.00</u>
350mm	102		457
<u>16"</u>	<u>4.25</u>	—	<u>18.00</u>
400mm	108		457
<u>18"</u>	<u>3.00</u>	—	<u>22.50</u>
450mm	76		572
<u>20"</u>	<u>5.00</u>	_	<u>22.50</u>
500mm	127		572
<u>24"</u>	<u>6.00</u>	_	<u>26.00</u>
600mm	152		660

Inches Millimeters

Inches Millimeters

Sales and Service

For information about our worldwide locations, approvals, certifications and local representative: Web Site: www.dezurik.com E-Mail: info@dezurik.com



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DeZURIK, Inc. reserves the right to incorporate our latest design and material changes without notice or obligation. Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing by DeZURIK, Inc. Certified drawings are available upon request.